

ABSTRACTPOSITION SENSOR

5 A low cost x-y digitising system is described for use in  
consumer electronic devices, such as portable digital  
assistants, mobile telephones, web browsers and the like.  
The digitizer includes a resonant stylus, an excitation  
winding for energising the resonant stylus and a set of  
10 sensor windings for sensing the signal generated by the  
stylus, from which the x-y position of the stylus is  
determined. The excitation signals applied to the  
excitation winding are designed to reduce the power drawn  
from the power supply which makes the digitising system  
15 particularly suited to battery operation.

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